Max Sherman

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Motivated Computer Science graduate with a passion for software development and with a year of experience in product engineering. Throughout an industrial placement with Jaguar Land Rover, I have improved my skills in software development, testing, and project management. Known for a proactive approach, I was promoted to a leadership role within 6 months of starting my placement. Proven ability to adapt quickly to new environments and circumstances.

Education

University of Brighton, Bachelor with Honours in Computer Science – UK September 2021 – May 2025

- GPA: 80 (First Class)
- **Coursework:** Algorithms, Artificial Intelligence, Cyber Security, Data Mining, Data Structures, Functional Programming, Mobile Application Development, Object Oriented Programming, Usability Evaluation, Web Development

Stedelijk Gymnasium Nijmegen, VWO Gymnasium in Applied Sciences – NL August 2015 – June 2021

- GPA: 74
- **Coursework:** Advanced Mathematics, Advanced Physics, Ancient Greek, Art History, Biology, Chemistry, Computer Science, Dutch, English

Experience

Software Undergraduate Placement, Jaguar Land Rover – UK July 2023 – July 2024

- Developed and optimised AUTOSAR-compliant Simulink models for powertrain control systems, increasing model efficiency and maintainability by over 60%
- Supported defect resolution pipeline from MIL to HIL testing, identifying and resolving issues early in the development lifecycle
- Collaborated with hardware, calibration, and testing teams to ensure seamless software-hardware integration
- Promoted to Function Owner within six months, managing a team of engineers and acting as liaison between JLR and external suppliers
- Quickly adopted industry-standard tools such as MATLAB, GitLab, JIRA, and AUTOSAR, ensuring seamless integration of software components and maintaining project timelines

Various hospitality roles, Various companies – NL & UK July 2021 – Present

- Worked in high-pressure, fast-paced environments, delivering excellent service while managing time-sensitive tasks during high-profile events, such as the Dutch Grand Prix and Royal Ascot
- Adapted quickly to different job roles and responsibilities, managing small teams and independently overseeing venue operations, including opening and closing restaurants
- Enhanced interpersonal and communication skills by interacting with a wide range of clients and colleagues

Extracurricular

Software Development Project Manager, DRIVEN – UK July 2023 – July 2024

- Led the software development of an Formula 24 racecar, coordinating the team to deliver embedded control software using VS Code, PlatformIO, and GitLab
- Managed the project lifecycle, from design to testing, demonstrating leadership, time management, and strategic problem-solving
- Received two 'DRIVEN Amped-Up' awards for exceptional leadership and dedication, recognizing my proactive approach and commitment to the project
- Played an integral role in the car's software and hardware integration, frequently collaborating with the hardware and testing teams

Captain and Welfare Officer, University of Brighton Men's Hockey team – UK September 2021 – April 2025

- Served as team captain, leading strategy, team organization, and match-day decisions, encouraging collaboration and motivating the team
- Supported the well-being of over 20 team members, ensuring effective communication and team cohesion
- Led the team to a successful season, contributing to the "Club Colours" award in 2025 and the "Team of the Year" award in 2023 through strong leadership and collaboration

End of year project, Vectioneer – NL September 2020

- Designed and built a Hexacopter from scratch with a colleague, handling both hardware assembly and software programming
- Documented the process and worked efficiently under tight deadlines, improving technical and teamwork skills

Hockey clinics, UNION Hockey Club – NL April 2019

- Delivered introductory hockey clinics to children, developing leadership, organization, and communication skills in a coaching environment

Projects

Full-Stack Web Application for Investment Health Checks Investmenthealthchecks.com

- Built a secure platform for clients to submit investment data and receive personalised health checks
- Implemented client and admin dashboards with role-based access, file uploads, and payment processing
- Designed a responsive, dynamic, and interactive user interface for an intuitive user experience
- Tools Used: React, Next.js, Amazon Web Services, TypeScript, SQL, CSS

F1 Data Analysis Tool github.com/maxsherman1/f1-data-analysis-tool

- Developed a telemetry visualisation and statistical analysis system for motorsport, designed to provide actionable insights from complex Formula 1 data
- Final year project for the University of Brighton. Report: 85, Presentation: 95
- Tools Used: Python, Pandas, Matplotlib, Plotly, SciPy, Statsmodels

Website for CWD Consulting cwdconsulting.vercel.app

- React- and Next.js-based website for CWD Consulting, offering an overview of their services and research
- Responsive and modern website design, including dynamic components and contact forms
- Tools Used: React, Next.js, Tailwind CSS

Skills

- Languages: Python, Java, C, C++, HTML, CSS, TypeScript, SQL, LaTeX
- Technologies: Git, MatLab, Simulink, JIRA, Office
- Testing: Unit, Integration, System, Black Box, White Box, MIL, SIL, PIL, and HIL
- Lean Six Sigma Yellow Belt Certification
- Experience with following international standards such as ISO 26262
- A solid understanding of mathematics
- Experience with Agile methodology
- Ability to interpret and analyse data
- Strong adaptability and quick learning
- Academic and technical writing skills
- Comprehension of legal and ethical matters
- Fluent in Dutch and English, currently learning German

Interests

Hockey, fitness, cooking and music (pianist) – all activities that require dedication, focus, and a team-oriented mindset.

References available upon request